



Atty. Dkt. No. 037768-0137

*Handwritten initials and a checkmark.*

Applicants: Tapes YADAV et al.

Title: PRINTING INKS AND REAGENTS FOR  
NANOELECTRONICS AND CONSUMER  
PRODUCTS

Appl. No.: 10/679,611

Filing Date: 10/06/2003

Examiner: Jerry A. LORENZO

Art Unit: 1755

Conf. No. 3294

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of the documents to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR § 1.56. A copy of each non-U.S. patent document and each non-patent document is being not submitted but the IDS complies with the provisions of 37 CFR § 1.97 and § 1.98 as these documents were cited in one or more parent applications upon which the present application claims the benefit of under 35 U.S.C. § 120-21.

This U.S. Application, 10/679,611, was filed 10-06-2003, and

This application is a Divisional of application number 10/441,583, filed 05-20-2003,

Which is a Divisional of application number 09/790,036, filed 02-20-2001, now U.S. Patent 6,933,331,

Which is a Continuation-in-part of application number 09/753,806, filed 01-03-2001, now U.S. Patent 6,513,362,

Which is a Division of application number 09/083,893, filed 05-22-1998, now U.S. Patent 6,228,904,

Which is a Division of application number 09/074,534, filed 05-07-1998, now U.S. Patent 6,202,471,

Which is a Continuation-in-part of application number 08/739,257, filed 10-30-1996, now U.S. Patent 5,905,000,

Which is a Continuation-in-part of application number 08/730,661, filed 10-11-1996, now U.S. Patent 5,952,040,

Which is a Continuation-in-part of application number 08/706,819, filed 09-03-1996, now U.S. Patent 5,851,507,

Which is a Continuation-in-part of application number 08/707,341, filed 09-03-1996, now U.S. Patent 5,788,738.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP § 609.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

#### **TIMING OF THE DISCLOSURE**


The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

**FEE**

A credit card payment form in the amount of \$180.00 is enclosed in accordance with 37 CFR §1.17(p) to cover the fee associated with an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00.

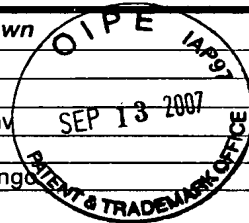
Respectfully submitted,

Date 09-12-2007  
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By   
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Registration No. 45,943

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Substitute for form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: <u>SEP 13 2007</u> (use as many sheets as necessary)				<b>Complete if Known</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/679,611</td> </tr> <tr> <td>Filing Date</td> <td>10/06/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Tapesh Yadav</td> </tr> <tr> <td>Art Unit</td> <td>1755</td> </tr> <tr> <td>Examiner Name</td> <td>Jerry A. Lorengo</td> </tr> <tr> <td>Attorney Docket Number</td> <td>037768-0137</td> </tr> </table>		Application Number	10/679,611	Filing Date	10/06/2003	First Named Inventor	Tapesh Yadav	Art Unit	1755	Examiner Name	Jerry A. Lorengo	Attorney Docket Number	037768-0137
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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	B1	2001/0038803	11-2001	Morales et al.	
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				Attorney Docket Number	037768-0137
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				Filing Date	10/06/2003
				First Named Inventor	Tapesh Yadav
				Art Unit	1755
				Examiner Name	Jerry A. Lorengo
				Attorney Docket Number	037768-0137
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	B321	Iwama et al, "Ultrafine Powders of TiN and AlN Produced by a Reactive Gas Evaporation Technique with Electron Beam Heating," Journal of Crystal Growth 56 (1982) 265-269, North-Holland Publishing Company.	
	B322	Jacobson et al., "Rapid Solidification Processing," Mat. Sci. and Eng., R11.335 (1994).	
	B323	Jiang et al., "Crystalline Silver Nanowires by Soft Solution Processing," Nano Letters, Published on Web Jan. 3, 2002, vol. 2, No. 2, 165-168.	
	B324	Jiang et al., "CuO Nanowires Can be Synthesized by Heating Copper Substrates in Air," Nano Letters, Published on Web Oct. 24, 2002, vol. 2, No. 12, Dec. 2002.	
	B325	Jones, H., "Splat Cooling and Metastable Phases," Rep. Prog. Phys. 36. 1425 (1973).	
	B326	Jun et al., "Carbon coated Fe, Co and Ni ferromagnetic nanoparticles prepared by modified arc discharge," Proceedings-Electrochemical Society (1996), vol. 3, pp. 688-702.	
	B327	Kaiser et al. (IV) J. Applied Phys., 1970, pp. 1064-1072, (41).	
	B328	Kirk-Othmer Encyclopedia of Chemical Technology, p. 37, vol. 19.	
	B329	Mayo, M.J., Mechanical Properties and Deformation Behavior of Materials Having Ultra-fine Microstructures, 361 (1993).	
	B330	Mutsuo et al., "Nanometer size oxide coating on fine particles surface by local hydrolysis method," Nagoya Kogyo Gijutsu Kenskyusho Hokoku (1995), 44(10), pp. 493-529.	
	B331	Nieman et al., "Scripta Metall. et Mater.," 24, 145 (1990).	
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	B333	Phani, A.R., "X-ray photoelectron spectroscopy studies on Pd doped SnO <sub>2</sub> liquid petroleum gas sensor", Appl. Phys. Lett., 71(16); 2358-60, Oct. 20, 1997.	
	B334	Serrini "Chemical composition and crystalline structure of SnO <sub>2</sub> thin films used as gas sensors", Elsevier Sci. S.A., 113-22, 1997.	

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		Filing Date	10/06/2003
		First Named Inventor	Tapesh Yadav
		Art Unit	1755
		Examiner Name	Jerry A. Lorengo
		Attorney Docket Number	037768-0137
Sheet	11	of	12

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	B335	Siegel, R. W., Materials Science and Technology. 15. VCH. Weinheim. 583 (1991).	
	B336	Siegel, R.W., "Mechanical Properties and Deformation Behavior of Materials Having Ultra-fine Microstructures," Nastasi et al. Ed., 509 (1993).	
	B337	Skandon et al., "Scripta Metall. et Mater.," 25,2389 (1991).	
	B338	Springer, G.S., "Advances in Heat Transfer," 14, 281-341, Academic Press (1978).	
	B339	Steigerwald and Brus, "Ann. Rev. Mater. Sci.," 19, 471 (1989).	
	B340	Sugaya et al., IEEE Trans. on Magnetism, 31, 2197 (1995).	
	B341	Sun et al., "Crystalline Silver Nanowires by Soft Solution Processing," Nano Letters, Published on Web Jan. 3, 2002, 2002, vol. 2, No. 2, pp. 165-168.	
	B342	Tamaki et al., "J. Electrochem. Soc.," 141, 2207 (1994).	
	B343	Tomohiro et al., "Influence of oxygen content on the mechanical properties of in-situ formed Si <sub>3</sub> N <sub>4</sub> -SiC nanocomposites prepared by carbon coating," Journal of the Ceramic Society of Japan (1995), 103 (Nov.), pp. 1177-1181.	
	B344	Uyeda, R., "Prog. Mater. Sci.," 35, 1 (1991), and R. W. Siegel, Materials Science and Technology, 15, VCH, Weinheim, 583 (1991).	
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	B346	Wang et al., "Inorganic Materials Nanocrystals branch out," Nature Materials, vol. 2, Jun. 2003.	
	B347	Wu et al., "Block-by-Block Growth of Single-Crystalline Si/SiGe Superlattice Nanowires," Nano Letters, Published on Web Jan. 19, 2002, vol. 2, No. 2, pp. 83-86.	
	B348	Yeack Scranton, "Nanomagnetism," Kluwer Academic, Netherland, 1-6 (1993).	

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